

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| S1 | 17 | ((NICHOLAS) near2 (RYAN)).INV. | US-PGPUB; USPAT | OR | ON | 2008/04/03 11:48 |
| S2 | 29 | ((NICHOLAS) near2 (RYAN)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/03 11:48 |
| S3 | 4 | ((("6603857") or ("20040064710") or ("6851050") or ("2002009947") or ("20020172367")).PN. | US-PGPUB; USPAT | OR | OFF | 2008/04/03 11:51 |
| S4 | 5 | ((("6603857") or ("20040064710") or ("6851050") or ("2002009947") or ("20020172367")).PN. | US-PGPUB; USPAT | OR | OFF | 2008/04/03 11:52 |
| S5 | 5 | ((("6603857") or ("20040064710") or ("6851050") or ("2002009947") or ("20020172367")).PN. | US-PGPUB; USPAT | OR | OFF | 2008/04/03 11:53 |
| S6 | 32 | ("4145569" "4800590" "4809327" "4811393" "4819267" "4881264" "4944008" "5146498" "5216715" "5325433" "5341426" "5412722" "5457746" "5481613" "5581614" "5600720" "5604807" "5625694" "5720034" "5774550" "5784460" "5793973" "5802175" "5805705" "5805712" "5811770" "5825876" "6157723").PN. OR ("6603857").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/03 11:55 |
| S7 | 2467 | ((713/189) or (380/44)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/04/03 11:57 |
| S8 | 7921 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/04/03 12:03 |
| S9 | 273 | S8 and time adj based | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:03 |
| S10 | 2028 | S8 and future | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:03 |
| S11 | 131 | S9 and future | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:03 |
| S12 | 34 | S8 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:04 |
| S13 | 1 | ("5825876").PN. | US-PGPUB; USPAT | OR | OFF | 2008/04/03 12:05 |

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|-----|----|--|--------------------|----|----|---------------------|
| S14 | 20 | US-4203166-\$.DID. OR US-4734568-\$.DID. OR US-4757533-\$.DID. OR US-4796220-\$.DID. OR US-4799258-\$.DID. OR US-4827508-\$.DID. OR US-4972472-\$.DID. OR US-5032979-\$.DID. OR US-5052040-\$.DID. OR US-5058164-\$.DID. OR US-5144660-\$.DID. OR US-5204897-\$.DID. OR US-5220657-\$.DID. OR US-5247575-\$.DID. OR US-5276735-\$.DID. OR US-5301247-\$.DID. OR US-5319705-\$.DID. OR US-5369702-\$.DID. OR US-5375169-\$.DID. OR US-4888800-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:08 |
| S15 | 20 | US-5404404-\$.DID. OR US-5406628-\$.DID. OR US-5414852-\$.DID. OR US-5495533-\$.DID. OR US-5499297-\$.DID. OR US-5502766-\$.DID. OR US-5557765-\$.DID. OR US-5570108-\$.DID. OR US-5584023-\$.DID. OR US-5600722-\$.DID. OR US-5606663-\$.DID. OR US-5671412-\$.DID. OR US-5677953-\$.DID. OR US-5680452-\$.DID. OR US-5684987-\$.DID. OR US-5689718-\$.DID. OR US-5699428-\$.DID. OR US-5708709-\$.DID. OR US-5715403-\$.DID. OR US-5717755-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:09 |
| S16 | 20 | US-5720033-\$.DID. OR US-5729734-\$.DID. OR US-5745573-\$.DID. OR US-5748736-\$.DID. OR US-5751287-\$.DID. OR US-5757920-\$.DID. OR US-5765152-\$.DID. OR US-5778065-\$.DID. OR US-5787169-\$.DID. OR US-5787173-\$.DID. OR US-5787175-\$.DID. OR US-5790789-\$.DID. OR US-5821933-\$.DID. OR US-5835592-\$.DID. OR US-5835601-\$.DID. OR US-5857189-\$.DID. OR US-5862325-\$.DID. OR US-5870468-\$.DID. OR US-5870477-\$.DID. OR US-5881287-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:09 |
| S17 | 19 | US-5892900-\$.DID. OR US-5893084-\$.DID. OR US-5898781-\$.DID. OR US-5922073-\$.DID. OR US-5933498-\$.DID. OR US-5944794-\$.DID. OR US-5953419-\$.DID. OR US-5968177-\$.DID. OR US-5987440-\$.DID. OR US-5991879-\$.DID. OR US-6023506-\$.DID. OR US-6032216-\$.DID. OR US-6038322-\$.DID. OR US-6044155-\$.DID. OR US-6055314-\$.DID. OR US-6058424-\$.DID. OR US-6061790-\$.DID. OR US-6088717-\$.DID. OR US-6088805-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:10 |
| S18 | 20 | US-6098056-\$.DID. OR US-6105131-\$.DID. OR US-6134327-\$.DID. OR US-6134658-\$.DID. OR US-6141754-\$.DID. OR US-6145084-\$.DID. OR US-6158010-\$.DID. OR US-6161139-\$.DID. OR US-6182142-\$.DID. OR US-6185684-\$.DID. OR US-6205549-\$.DID. OR US-6226618-\$.DID. OR US-6226745-\$.DID. OR US-6240188-\$.DID. OR US-6249873-\$.DID. OR US-6253193-\$.DID. OR US-6260141-\$.DID. OR US-6263348-\$.DID. OR US-6272631-\$.DID. OR US-6272632-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:15 |

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|-----|----|--|--------------------|----|----|---------------------|
| S19 | 20 | US-6282649-\$.DID. OR US-6289450-\$.DID. OR US-6292899-\$.DID. OR US-6295361-\$.DID. OR US-6301614-\$.DID. OR US-6308256-\$.DID. OR US-6314409-\$.DID. OR US-6317777-\$.DID. OR US-6336114-\$.DID. OR US-6339423-\$.DID. OR US-6339825-\$.DID. OR US-6341164-\$.DID. OR US-6347374-\$.DID. OR US-6351813-\$.DID. OR US-6356903-\$.DID. OR US-6356941-\$.DID. OR US-6363480-\$.DID. OR US-6370249-\$.DID. OR US-6381698-\$.DID. OR US-6389433-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:15 |
| S20 | 20 | US-6389538-\$.DID. OR US-6405315-\$.DID. OR US-6421714-\$.DID. OR US-6442688-\$.DID. OR US-6442695-\$.DID. OR US-6449721-\$.DID. OR US-6453353-\$.DID. OR US-6466932-\$.DID. OR US-6477544-\$.DID. OR US-6490680-\$.DID. OR US-6505300-\$.DID. OR US-6510349-\$.DID. OR US-6530020-\$.DID. OR US-6530024-\$.DID. OR US-6542608-\$.DID. OR US-6549623-\$.DID. OR US-6550011-\$.DID. OR US-6567914-\$.DID. OR US-6571291-\$.DID. OR US-6588673-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:16 |
| S21 | 20 | US-6594662-\$.DID. OR US-6598161-\$.DID. OR US-6608636-\$.DID. OR US-6615349-\$.DID. OR US-6615350-\$.DID. OR US-6625650-\$.DID. OR US-6629243-\$.DID. OR US-6633311-\$.DID. OR US-6640307-\$.DID. OR US-6646515-\$.DID. OR US-6647388-\$.DID. OR US-6718361-\$.DID. OR US-6735701-\$.DID. OR US-6738908-\$.DID. OR US-6775779-\$.DID. OR US-6782403-\$.DID. OR US-6801999-\$.DID. OR US-6807636-\$.DID. OR US-6810479-\$.DID. OR US-6816871-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:16 |
| S22 | 20 | US-6834333-\$.DID. OR US-6834341-\$.DID. OR US-6845452-\$.DID. OR US-6874139-\$.DID. OR US-6889210-\$.DID. OR US-6891953-\$.DID. OR US-6892201-\$.DID. OR US-6909708-\$.DID. OR US-6915434-\$.DID. OR US-6920558-\$.DID. OR US-6931450-\$.DID. OR US-6931530-\$.DID. OR US-6931597-\$.DID. OR US-6938042-\$.DID. OR US-6941355-\$.DID. OR US-6941456-\$.DID. OR US-6941472-\$.DID. OR US-6947556-\$.DID. OR US-6950818-\$.DID. OR US-6950936-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:16 |
| S23 | 20 | US-6952780-\$.DID. OR US-6957261-\$.DID. OR US-6959308-\$.DID. OR US-6961849-\$.DID. OR US-6978376-\$.DID. OR US-6993135-\$.DID. OR US-6996718-\$.DID. OR US-7003117-\$.DID. OR US-7003560-\$.DID. OR US-7013332-\$.DID. OR US-7013485-\$.DID. OR US-7020645-\$.DID. OR US-7024427-\$.DID. OR US-7035854-\$.DID. OR US-7051213-\$.DID. OR US-7058978-\$.DID. OR US-7073063-\$.DID. OR US-7073073-\$.DID. OR US-7076067-\$.DID. OR US-7076312-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:17 |

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|-----|----|--|--------------------|----|----|---------------------|
| S24 | 20 | US-7076469-\$.DID. OR US-7076633-\$.DID. OR US-7080077-\$.DID. OR US-7095853-\$.DID. OR US-7099926-\$.DID. OR US-7107269-\$.DID. OR US-7120635-\$.DID. OR US-7120757-\$.DID. OR US-7124164-\$.DID. OR US-7130964-\$.DID. OR US-7131071-\$.DID. OR US-7136903-\$.DID. OR US-7145898-\$.DID. OR US-7159036-\$.DID. OR US-7171557-\$.DID. OR US-7174563-\$.DID. OR US-7178033-\$.DID. OR US-7187033-\$.DID. OR US-7185364-\$.DID. OR US-7188181-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:24 |
| S25 | 20 | US-7200747-\$.DID. OR US-7203317-\$.DID. OR US-7224795-\$.DID. OR US-7249044-\$.DID. OR US-7260555-\$.DID. OR US-7265764-\$.DID. OR US-7266684-\$.DID. OR US-7280658-\$.DID. OR US-7287055-\$.DID. OR US-20010021926-\$.DID. OR US-20010032181-\$.DID. OR US-20010034839-\$.DID. OR US-20010044903-\$.DID. OR US-20010056550-\$.DID. OR US-20020010679-\$.DID. OR US-20020016922-\$.DID. OR US-20020031230-\$.DID. OR US-20020035624-\$.DID. OR US-20020046350-\$.DID. OR US-20020056042-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:25 |
| S26 | 20 | US-20020062245-\$.DID. OR US-20020069077-\$.DID. OR US-20020069272-\$.DID. OR US-20020069363-\$.DID. OR US-20020073320-\$.DID. OR US-20020077988-\$.DID. OR US-20020087479-\$.DID. OR US-20020124180-\$.DID. OR US-20020129235-\$.DID. OR US-20020133699-\$.DID. OR US-20020138762-\$.DID. OR US-20020143710-\$.DID. OR US-20020156726-\$.DID. OR US-20020169963-\$.DID. OR US-20020169965-\$.DID. OR US-20020174109-\$.DID. OR US-20020178271-\$.DID. OR US-20020198798-\$.DID. OR US-20030009685-\$.DID. OR US-20030014391-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:53 |
| S27 | 20 | US-20030200202-\$.DID. OR US-20030217264-\$.DID. OR US-20030217281-\$.DID. OR US-20030023559-\$.DID. OR US-20030033528-\$.DID. OR US-20030037133-\$.DID. OR US-20030037237-\$.DID. OR US-20030037253-\$.DID. OR US-20030051039-\$.DID. OR US-20030074580-\$.DID. OR US-20030078959-\$.DID. OR US-20030079175-\$.DID. OR US-20030088517-\$.DID. OR US-20030088783-\$.DID. OR US-20030110169-\$.DID. OR US-20030110397-\$.DID. OR US-20030115146-\$.DID. OR US-20030120601-\$.DID. OR US-20030120684-\$.DID. OR US-20030154381-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:53 |

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|-----|------|--|--------------------|----|-----|---------------------|
| S28 | 20 | US-20030177070-\$.DID. OR US-20030177378-\$.DID. OR US-20030182579-\$.DID. OR US-20030217333-\$.DID. OR US-20040025037-\$.DID. OR US-20040068664-\$.DID. OR US-20040073718-\$.DID. OR US-20040098580-\$.DID. OR US-20040103202-\$.DID. OR US-20040103280-\$.DID. OR US-20050138383-\$.DID. OR US-20040193602-\$.DID. OR US-20040193912-\$.DID. OR US-20040215956-\$.DID. OR US-20040215962-\$.DID. OR US-20040243853-\$.DID. OR US-20050021467-\$.DID. OR US-20050028006-\$.DID. OR US-20050039034-\$.DID. OR US-20050071275-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:53 |
| S29 | 18 | US-20050071657-\$.DID. OR US-20050071658-\$.DID. OR US-20050081029-\$.DID. OR US-20050086531-\$.DID. OR US-20050091484-\$.DID. OR US-20050120199-\$.DID. OR US-20050138371-\$.DID. OR US-20050177716-\$.DID. OR US-20050198326-\$.DID. OR US-20050223242-\$.DID. OR US-20050223414-\$.DID. OR US-20050273600-\$.DID. OR US-20050288961-\$.DID. OR US-20060005021-\$.DID. OR US-20060075465-\$.DID. OR US-20060093150-\$.DID. OR US-20060230437-\$.DID. OR US-20070006214-\$.DID. | US-PGPUB; USPAT | OR | ON | 2008/04/03 12:54 |
| S30 | 317 | S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:24 |
| S31 | 6 | S30 and time adj based near3 key | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:25 |
| S32 | 463 | (data document file content) adj key with header | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:26 |
| S33 | 106 | S32 and S8 | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:27 |
| S34 | 1965 | key with available with generat\$4 | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:29 |
| S35 | 268 | S34 and S8 | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:29 |
| S36 | 175 | key with available with generat\$4 near2 key and S8 | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:29 |
| S37 | 21 | (content data document file) adj key near2 available and generat\$4 near2 (content data document file) adj key | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:39 |
| S38 | 6 | (content data document file) adj key with already adj2 exist | US-PGPUB; USPAT | OR | ON | 2008/04/03 13:40 |
| S39 | 8745 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/08/15 11:10 |
| S40 | 37 | S39 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2008/08/15 11:10 |
| S41 | 1 | ("6892306").PN. | US-PGPUB; USPAT | OR | OFF | 2008/08/15 11:13 |
| S42 | 37 | hybrid adj encryption | US-PGPUB; USPAT | OR | ON | 2008/08/15 11:24 |
| S43 | 1 | ("20050071657").PN. | US-PGPUB; USPAT | OR | OFF | 2009/01/26 14:49 |
| S44 | 1 | ("20020016992").PN. | US-PGPUB; USPAT | OR | OFF | 2009/01/26 15:09 |

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|-----|------|--|--------------------|----|-----|---------------------|
| S45 | 1 | ("20020016922").PN. | US-PGPUB; USPAT | OR | OFF | 2009/01/26 15:09 |
| S46 | 1 | S45 and encrypt\$4 with header | US-PGPUB; USPAT | OR | ON | 2009/01/26 15:17 |
| S47 | 1 | ("6892306").PN. | US-PGPUB; USPAT | OR | OFF | 2009/01/26 15:29 |
| S48 | 1 | S47 and temporary adj validation with header | US-PGPUB; USPAT | OR | ON | 2009/01/26 15:36 |
| S49 | 1 | S47 and encrypt\$4 with header | US-PGPUB; USPAT | OR | ON | 2009/01/26 15:53 |
| S50 | 9707 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS. | US-PGPUB; USPAT | OR | OFF | 2009/01/26 16:46 |
| S51 | 38 | S50 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:46 |
| S52 | 40 | hybrid adj encryption | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:46 |
| S53 | 20 | US-5535375-\$.DID. OR US-5655119-\$.DID. OR US-5661806-\$.DID. OR US-5732265-\$.DID. OR US-5790790-\$.DID. OR US-5813009-\$.DID. OR US-5970502-\$.DID. OR US-5999907-\$.DID. OR US-6014730-\$.DID. OR US-6069057-\$.DID. OR US-6085323-\$.DID. OR US-6101507-\$.DID. OR US-6122630-\$.DID. OR US-6134660-\$.DID. OR US-6134664-\$.DID. OR US-6212561-\$.DID. OR US-6223285-\$.DID. OR US-6226618-\$.DID. OR US-6260040-\$.DID. OR US-6308273-\$.DID. | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:52 |
| S54 | 20 | US-6332025-\$.DID. OR US-6343316-\$.DID. OR US-6349337-\$.DID. OR US-6357010-\$.DID. OR US-6393420-\$.DID. OR US-6446090-\$.DID. OR US-6529956-\$.DID. OR US-6557039-\$.DID. OR US-6587946-\$.DID. OR US-6611599-\$.DID. OR US-6678835-\$.DID. OR US-6711683-\$.DID. OR US-6801999-\$.DID. OR US-6807534-\$.DID. OR US-6810389-\$.DID. OR US-6826698-\$.DID. OR US-6865555-\$.DID. OR US-6687822-\$.DID. OR US-6877136-\$.DID. OR US-6907034-\$.DID. | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:53 |
| S55 | 20 | US-6944183-\$.DID. OR US-6950941-\$.DID. OR US-6950943-\$.DID. OR US-6968060-\$.DID. OR US-6971018-\$.DID. OR US-6978377-\$.DID. OR US-6988133-\$.DID. OR US-6988199-\$.DID. OR US-7003661-\$.DID. OR US-7035910-\$.DID. OR US-7046807-\$.DID. OR US-7058696-\$.DID. OR US-7096266-\$.DID. OR US-7134041-\$.DID. OR US-7146498-\$.DID. OR US-7177427-\$.DID. OR US-7181017-\$.DID. OR US-7194764-\$.DID. OR US-7203968-\$.DID. OR US-7219230-\$.DID. | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:53 |

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|-----|-------|--|--------------------|----|-----|---------------------|
| S56 | 20 | US-7225256-\$.DID. OR US-7227953-\$.DID. OR US-7233948-\$.DID. OR US-7237002-\$.DID. OR US-7290148-\$.DID. OR US-7308702-\$.DID. OR US-7313824-\$.DID. OR US-7319752-\$.DID. OR US-7380120-\$.DID. OR US-7383586-\$.DID. OR US-7386529-\$.DID. OR US-20010011254-\$.DID. OR US-20020050098-\$.DID. OR US-20020062240-\$.DID. OR US-20020077986-\$.DID. OR US-20020143906-\$.DID. OR US-20020157016-\$.DID. OR US-20020176572-\$.DID. OR US-20020194484-\$.DID. OR US-20030028610-\$.DID. | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:53 |
| S57 | 20 | US-20030115570-\$.DID. OR US-20030159066-\$.DID. OR US-20030046238-\$.DID. OR US-20030056139-\$.DID. OR US-20030081784-\$.DID. OR US-20030081787-\$.DID. OR US-20030110266-\$.DID. OR US-20030126434-\$.DID. OR US-20030196096-\$.DID. OR US-20030197729-\$.DID. OR US-20030217264-\$.DID. OR US-20030226013-\$.DID. OR US-20030233650-\$.DID. OR US-20040022390-\$.DID. OR US-20040039781-\$.DID. OR US-20040068524-\$.DID. OR US-20040088548-\$.DID. OR US-20040133544-\$.DID. OR US-20040158586-\$.DID. OR US-20040193905-\$.DID. | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:54 |
| S58 | 8 | US-20040199514-\$.DID. OR US-20050021629-\$.DID. OR US-20050028006-\$.DID. OR US-20050177858-\$.DID. OR US-20050256909-\$.DID. OR US-20050283610-\$.DID. OR US-20060168147-\$.DID. OR US-6584466-\$.DID. | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:54 |
| S59 | 148 | S52 S53 S54 S55 S56 S57 S58 | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:54 |
| S60 | 31 | S59 and encrypt\$4 with header | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:55 |
| S61 | 0 | S60 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:55 |
| S62 | 0 | S59 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2009/01/26 16:55 |
| S63 | 10699 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/06/24 17:47 |
| S64 | 10699 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/06/24 17:47 |
| S65 | 42 | S64 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2009/06/24 17:47 |
| S66 | 10699 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/06/24 17:47 |
| S67 | 543 | (data document file content) adj key with header | US-PGPUB; USPAT | OR | ON | 2009/06/24 17:47 |
| S68 | 139 | S67 and S66 | US-PGPUB; USPAT | OR | ON | 2009/06/24 17:47 |
| S69 | 1 | ("20050071657").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/24 17:48 |
| S70 | 1 | ("20020016922").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/24 17:48 |

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| S71 | 12 | US-6192408-\$.DID. OR US-6519700-\$.DID. OR US-6611846-\$.DID. OR US-7107416-\$.DID. OR US-7117322-\$.DID. OR US-7146388-\$.DID. OR US-7340600-\$.DID. OR US-20030172280-\$.DID. OR US-20030101072-\$.DID. OR US-20040073660-\$.DID. OR US-20050235154-\$.DID. OR US-20070067837-\$.DID. | US-PGPUB; USPAT | OR | ON | 2009/06/24 17:55 |
| S72 | 26 | ((NICHOLAS) near2 (RYAN)).INV. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S73 | 38 | ((NICHOLAS) near2 (RYAN)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/11 15:59 |
| S74 | 4 | ((("6603857") or ("20040064710") or ("6851050") or ("2002009947") or ("20020172367")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S75 | 5 | ((("6603857") or ("20040064710") or ("6851050") or ("2002009947") or ("20020172367")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S76 | 5 | ((("6603857") or ("20040064710") or ("6851050") or ("2002009947") or ("20020172367")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S77 | 41 | ("4145569" "4800590" "4809327" "4811393" "4819267" "4881264" "4944008" "5146498" "5216715" "5325433" "5341426" "5412722" "5457746" "5481613" "5581614" "5600720" "5604807" "5625694" "5720034" "5774550" "5784460" "5793973" "5802175" "5805705" "5805712" "5811770" "5825876" "6157723").PN. OR ("6603857").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/01/11 15:59 |
| S78 | 3581 | ((713/189) or (380/44)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S79 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S80 | 447 | S79 and time adj based | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S81 | 3055 | S79 and future | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S82 | 207 | S80 and future | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S83 | 47 | S79 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S84 | 1 | ("5825876").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |

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|-----|----|--|--------------------|----|----|---------------------|
| S85 | 20 | US-4203166-\$.DID. OR US-4734568-\$.DID. OR US-4757533-\$.DID. OR US-4796220-\$.DID. OR US-4799258-\$.DID. OR US-4827508-\$.DID. OR US-4972472-\$.DID. OR US-5032979-\$.DID. OR US-5052040-\$.DID. OR US-5058164-\$.DID. OR US-5144660-\$.DID. OR US-5204897-\$.DID. OR US-5220657-\$.DID. OR US-5247575-\$.DID. OR US-5276735-\$.DID. OR US-5301247-\$.DID. OR US-5319705-\$.DID. OR US-5369702-\$.DID. OR US-5375169-\$.DID. OR US-4888800-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S86 | 20 | US-5404404-\$.DID. OR US-5406628-\$.DID. OR US-5414852-\$.DID. OR US-5495533-\$.DID. OR US-5499297-\$.DID. OR US-5502766-\$.DID. OR US-5557765-\$.DID. OR US-5570108-\$.DID. OR US-5584023-\$.DID. OR US-5600722-\$.DID. OR US-5606663-\$.DID. OR US-5671412-\$.DID. OR US-5677953-\$.DID. OR US-5680452-\$.DID. OR US-5684987-\$.DID. OR US-5689718-\$.DID. OR US-5699428-\$.DID. OR US-5708709-\$.DID. OR US-5715403-\$.DID. OR US-5717755-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S87 | 20 | US-5720033-\$.DID. OR US-5729734-\$.DID. OR US-5745573-\$.DID. OR US-5748736-\$.DID. OR US-5751287-\$.DID. OR US-5757920-\$.DID. OR US-5765152-\$.DID. OR US-5778065-\$.DID. OR US-5787169-\$.DID. OR US-5787173-\$.DID. OR US-5787175-\$.DID. OR US-5790789-\$.DID. OR US-5821933-\$.DID. OR US-5835592-\$.DID. OR US-5835601-\$.DID. OR US-5857189-\$.DID. OR US-5862325-\$.DID. OR US-5870468-\$.DID. OR US-5870477-\$.DID. OR US-5881287-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S88 | 19 | US-5892900-\$.DID. OR US-5893084-\$.DID. OR US-5898781-\$.DID. OR US-5922073-\$.DID. OR US-5933498-\$.DID. OR US-5944794-\$.DID. OR US-5953419-\$.DID. OR US-5968177-\$.DID. OR US-5987440-\$.DID. OR US-5991879-\$.DID. OR US-6023506-\$.DID. OR US-6032216-\$.DID. OR US-6038322-\$.DID. OR US-6044155-\$.DID. OR US-6055314-\$.DID. OR US-6058424-\$.DID. OR US-6061790-\$.DID. OR US-6088717-\$.DID. OR US-6088805-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S89 | 20 | US-6098056-\$.DID. OR US-6105131-\$.DID. OR US-6134327-\$.DID. OR US-6134658-\$.DID. OR US-6141754-\$.DID. OR US-6145084-\$.DID. OR US-6158010-\$.DID. OR US-6161139-\$.DID. OR US-6182142-\$.DID. OR US-6185684-\$.DID. OR US-6205549-\$.DID. OR US-6226618-\$.DID. OR US-6226745-\$.DID. OR US-6240188-\$.DID. OR US-6249873-\$.DID. OR US-6253193-\$.DID. OR US-6260141-\$.DID. OR US-6263348-\$.DID. OR US-6272631-\$.DID. OR US-6272632-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |

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|-----|----|--|--------------------|----|----|---------------------|
| S90 | 20 | US-6282649-\$.DID. OR US-6289450-\$.DID. OR US-6292899-\$.DID. OR US-6295361-\$.DID. OR US-6301614-\$.DID. OR US-6308256-\$.DID. OR US-6314409-\$.DID. OR US-6317777-\$.DID. OR US-6336114-\$.DID. OR US-6339423-\$.DID. OR US-6339825-\$.DID. OR US-6341164-\$.DID. OR US-6347374-\$.DID. OR US-6351813-\$.DID. OR US-6356903-\$.DID. OR US-6356941-\$.DID. OR US-6363480-\$.DID. OR US-6370249-\$.DID. OR US-6381698-\$.DID. OR US-6389433-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S91 | 20 | US-6389538-\$.DID. OR US-6405315-\$.DID. OR US-6421714-\$.DID. OR US-6442688-\$.DID. OR US-6442695-\$.DID. OR US-6449721-\$.DID. OR US-6453353-\$.DID. OR US-6466932-\$.DID. OR US-6477544-\$.DID. OR US-6490680-\$.DID. OR US-6505300-\$.DID. OR US-6510349-\$.DID. OR US-6530020-\$.DID. OR US-6530024-\$.DID. OR US-6542608-\$.DID. OR US-6549623-\$.DID. OR US-6550011-\$.DID. OR US-6567914-\$.DID. OR US-6571291-\$.DID. OR US-6588673-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S92 | 20 | US-6594662-\$.DID. OR US-6598161-\$.DID. OR US-6608636-\$.DID. OR US-6615349-\$.DID. OR US-6615350-\$.DID. OR US-6625650-\$.DID. OR US-6629243-\$.DID. OR US-6633311-\$.DID. OR US-6640307-\$.DID. OR US-6646515-\$.DID. OR US-6647388-\$.DID. OR US-6718361-\$.DID. OR US-6735701-\$.DID. OR US-6738908-\$.DID. OR US-6775779-\$.DID. OR US-6782403-\$.DID. OR US-6801999-\$.DID. OR US-6807636-\$.DID. OR US-6810479-\$.DID. OR US-6816871-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S93 | 20 | US-6834333-\$.DID. OR US-6834341-\$.DID. OR US-6845452-\$.DID. OR US-6874139-\$.DID. OR US-6889210-\$.DID. OR US-6891953-\$.DID. OR US-6892201-\$.DID. OR US-6909708-\$.DID. OR US-6915434-\$.DID. OR US-6920558-\$.DID. OR US-6931450-\$.DID. OR US-6931530-\$.DID. OR US-6931597-\$.DID. OR US-6938042-\$.DID. OR US-6941355-\$.DID. OR US-6941456-\$.DID. OR US-6941472-\$.DID. OR US-6947556-\$.DID. OR US-6950818-\$.DID. OR US-6950936-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S94 | 20 | US-6952780-\$.DID. OR US-6957261-\$.DID. OR US-6959308-\$.DID. OR US-6961849-\$.DID. OR US-6978376-\$.DID. OR US-6993135-\$.DID. OR US-6996718-\$.DID. OR US-7003117-\$.DID. OR US-7003560-\$.DID. OR US-7013332-\$.DID. OR US-7013485-\$.DID. OR US-7020645-\$.DID. OR US-7024427-\$.DID. OR US-7035854-\$.DID. OR US-7051213-\$.DID. OR US-7058978-\$.DID. OR US-7073063-\$.DID. OR US-7073073-\$.DID. OR US-7076067-\$.DID. OR US-7076312-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |

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|-----|----|--|--------------------|----|----|---------------------|
| S95 | 20 | US-7076469-\$.DID. OR US-7076633-\$.DID. OR US-7080077-\$.DID. OR US-7095853-\$.DID. OR US-7099926-\$.DID. OR US-7107269-\$.DID. OR US-7120635-\$.DID. OR US-7120757-\$.DID. OR US-7124164-\$.DID. OR US-7130964-\$.DID. OR US-7131071-\$.DID. OR US-7136903-\$.DID. OR US-7145898-\$.DID. OR US-7159036-\$.DID. OR US-7171557-\$.DID. OR US-7174563-\$.DID. OR US-7178033-\$.DID. OR US-7187033-\$.DID. OR US-7185364-\$.DID. OR US-7188181-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S96 | 20 | US-7200747-\$.DID. OR US-7203317-\$.DID. OR US-7224795-\$.DID. OR US-7249044-\$.DID. OR US-7260555-\$.DID. OR US-7265764-\$.DID. OR US-7266684-\$.DID. OR US-7280658-\$.DID. OR US-7287055-\$.DID. OR US-20010021926-\$.DID. OR US-20010032181-\$.DID. OR US-20010034839-\$.DID. OR US-20010044903-\$.DID. OR US-20010056550-\$.DID. OR US-20020010679-\$.DID. OR US-20020016922-\$.DID. OR US-20020031230-\$.DID. OR US-20020035624-\$.DID. OR US-20020046350-\$.DID. OR US-20020056042-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S97 | 20 | US-20020062245-\$.DID. OR US-20020069077-\$.DID. OR US-20020069272-\$.DID. OR US-20020069363-\$.DID. OR US-20020073320-\$.DID. OR US-20020077988-\$.DID. OR US-20020087479-\$.DID. OR US-20020124180-\$.DID. OR US-20020129235-\$.DID. OR US-20020133699-\$.DID. OR US-20020138762-\$.DID. OR US-20020143710-\$.DID. OR US-20020156726-\$.DID. OR US-20020169963-\$.DID. OR US-20020169965-\$.DID. OR US-20020174109-\$.DID. OR US-20020178271-\$.DID. OR US-20020198798-\$.DID. OR US-20030009685-\$.DID. OR US-20030014391-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S98 | 20 | US-20030200202-\$.DID. OR US-20030217264-\$.DID. OR US-20030217281-\$.DID. OR US-20030023559-\$.DID. OR US-20030033528-\$.DID. OR US-20030037133-\$.DID. OR US-20030037237-\$.DID. OR US-20030037253-\$.DID. OR US-20030051039-\$.DID. OR US-20030074580-\$.DID. OR US-20030078959-\$.DID. OR US-20030079175-\$.DID. OR US-20030088517-\$.DID. OR US-20030088783-\$.DID. OR US-20030110169-\$.DID. OR US-20030110397-\$.DID. OR US-20030115146-\$.DID. OR US-20030120601-\$.DID. OR US-20030120684-\$.DID. OR US-20030154381-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |

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|------|-------|--|--------------------|----|-----|---------------------|
| S99 | 20 | US-20030177070-\$.DID. OR US-20030177378-\$.DID. OR US-20030182579-\$.DID. OR US-20030217333-\$.DID. OR US-20040025037-\$.DID. OR US-20040068664-\$.DID. OR US-20040073718-\$.DID. OR US-20040098580-\$.DID. OR US-20040103202-\$.DID. OR US-20040103280-\$.DID. OR US-20050138383-\$.DID. OR US-20040193602-\$.DID. OR US-20040193912-\$.DID. OR US-20040215956-\$.DID. OR US-20040215962-\$.DID. OR US-20040243853-\$.DID. OR US-20050021467-\$.DID. OR US-20050028006-\$.DID. OR US-20050039034-\$.DID. OR US-20050071275-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S100 | 18 | US-20050071657-\$.DID. OR US-20050071658-\$.DID. OR US-20050081029-\$.DID. OR US-20050086531-\$.DID. OR US-20050091484-\$.DID. OR US-20050120199-\$.DID. OR US-20050138371-\$.DID. OR US-20050177716-\$.DID. OR US-20050198326-\$.DID. OR US-20050223242-\$.DID. OR US-20050223414-\$.DID. OR US-20050273600-\$.DID. OR US-20050288961-\$.DID. OR US-20060005021-\$.DID. OR US-20060075465-\$.DID. OR US-20060093150-\$.DID. OR US-20060230437-\$.DID. OR US-20070006214-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S101 | 317 | S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S102 | 6 | S101 and time adj based near3 key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S103 | 557 | (data document file content) adj key with header | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S104 | 144 | S103 and S79 | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S105 | 2549 | key with available with generat\$4 | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S106 | 417 | S105 and S79 | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S107 | 271 | key with available with generat\$4 near2 key and S79 | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S108 | 32 | (content data document file) adj key near2 available and generat\$4 near2 (content data document file) adj key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S109 | 10 | (content data document file) adj key with already adj2 exist | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S110 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S111 | 47 | S110 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S112 | 1 | ("6892306").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S113 | 50 | hybrid adj encryption | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S114 | 1 | ("20050071657").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S115 | 1 | ("20020016992").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |

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|------|-------|--|--------------------|----|-----|---------------------|
| S116 | 1 | ("20020016922").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S117 | 1 | S116 and encrypt\$4 with header | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S118 | 1 | ("6892306").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S119 | 1 | S118 and temporary adj validation with header | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S120 | 1 | S118 and encrypt\$4 with header | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S121 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CQLS. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S122 | 47 | S121 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S123 | 50 | hybrid adj encryption | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S124 | 20 | US-5535375-\$.DID. OR US-5655119-\$.DID. OR US-5661806-\$.DID. OR US-5732265-\$.DID. OR US-5790790-\$.DID. OR US-5813009-\$.DID. OR US-5970502-\$.DID. OR US-5999907-\$.DID. OR US-6014730-\$.DID. OR US-6069057-\$.DID. OR US-6085323-\$.DID. OR US-6101507-\$.DID. OR US-6122630-\$.DID. OR US-6134660-\$.DID. OR US-6134664-\$.DID. OR US-6212561-\$.DID. OR US-6223285-\$.DID. OR US-6226618-\$.DID. OR US-6260040-\$.DID. OR US-6308273-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S125 | 20 | US-6332025-\$.DID. OR US-6343316-\$.DID. OR US-6349337-\$.DID. OR US-6357010-\$.DID. OR US-6393420-\$.DID. OR US-6446090-\$.DID. OR US-6529956-\$.DID. OR US-6557039-\$.DID. OR US-6587946-\$.DID. OR US-6611599-\$.DID. OR US-6678835-\$.DID. OR US-6711683-\$.DID. OR US-6801999-\$.DID. OR US-6807534-\$.DID. OR US-6810389-\$.DID. OR US-6826698-\$.DID. OR US-6865555-\$.DID. OR US-6687822-\$.DID. OR US-6877136-\$.DID. OR US-6907034-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S126 | 20 | US-6944183-\$.DID. OR US-6950941-\$.DID. OR US-6950943-\$.DID. OR US-6968060-\$.DID. OR US-6971018-\$.DID. OR US-6978377-\$.DID. OR US-6988133-\$.DID. OR US-6988199-\$.DID. OR US-7003661-\$.DID. OR US-7035910-\$.DID. OR US-7046807-\$.DID. OR US-7058696-\$.DID. OR US-7096266-\$.DID. OR US-7134041-\$.DID. OR US-7146498-\$.DID. OR US-7177427-\$.DID. OR US-7181017-\$.DID. OR US-7194764-\$.DID. OR US-7203968-\$.DID. OR US-7219230-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |

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|------|-------|--|--------------------|----|-----|---------------------|
| S127 | 20 | US-7225256-\$.DID. OR US-7227953-\$.DID. OR US-7233948-\$.DID. OR US-7237002-\$.DID. OR US-7290148-\$.DID. OR US-7308702-\$.DID. OR US-7313824-\$.DID. OR US-7319752-\$.DID. OR US-7380120-\$.DID. OR US-7383586-\$.DID. OR US-7386529-\$.DID. OR US-20010011254-\$.DID. OR US-20020050098-\$.DID. OR US-20020062240-\$.DID. OR US-20020077986-\$.DID. OR US-20020143906-\$.DID. OR US-20020157016-\$.DID. OR US-20020176572-\$.DID. OR US-20020194484-\$.DID. OR US-20030028610-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S128 | 20 | US-20030115570-\$.DID. OR US-20030159066-\$.DID. OR US-20030046238-\$.DID. OR US-20030056139-\$.DID. OR US-20030081784-\$.DID. OR US-20030081787-\$.DID. OR US-20030110266-\$.DID. OR US-20030126434-\$.DID. OR US-20030196096-\$.DID. OR US-20030197729-\$.DID. OR US-20030217264-\$.DID. OR US-20030226013-\$.DID. OR US-20030233650-\$.DID. OR US-20040022390-\$.DID. OR US-20040039781-\$.DID. OR US-20040068524-\$.DID. OR US-20040088548-\$.DID. OR US-20040133544-\$.DID. OR US-20040158586-\$.DID. OR US-20040193905-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S129 | 8 | US-20040199514-\$.DID. OR US-20050021629-\$.DID. OR US-20050028006-\$.DID. OR US-20050177858-\$.DID. OR US-20050256909-\$.DID. OR US-20050283610-\$.DID. OR US-20060168147-\$.DID. OR US-6584466-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S130 | 158 | S123 S124 S125 S126 S127 S128 S129 | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S131 | 32 | S130 and encrypt\$4 with header | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S132 | 0 | S131 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S133 | 0 | S130 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S134 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S135 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S136 | 47 | S135 and time adj based near2 key | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S137 | 12121 | ((713/153,160,198) or (726/2,26,27,28,29) or (380/277,278,279,282,44,45)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S138 | 557 | (data document file content) adj key with header | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S139 | 144 | S138 and S137 | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S140 | 1 | ("20050071657").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |
| S141 | 1 | ("20020016922").PN. | US-PGPUB; USPAT | OR | OFF | 2010/01/11 15:59 |

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|------|------|--|---|----|-----|---------------------|
| S142 | 12 | US-6192408-\$.DID. OR US-6519700-\$.DID. OR US-6611846-\$.DID. OR US-7107416-\$.DID. OR US-7117322-\$.DID. OR US-7146388-\$.DID. OR US-7340600-\$.DID. OR US-20030172280-\$.DID. OR US-20030101072-\$.DID. OR US-20040073660-\$.DID. OR US-20050235154-\$.DID. OR US-20070067837-\$.DID. | US-PGPUB; USPAT | OR | ON | 2010/01/11 15:59 |
| S143 | 1295 | header with (contant file document encryption decryption) adj key | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/06 13:28 |
| S144 | 3 | ((("6292895") or ("5923754") or ("6603857"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/08/08 21:23 |
| S145 | 4004 | header with access adj (control condition) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 14:15 |
| S146 | 100 | key with header with access adj (control condition) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 14:16 |
| S147 | 575 | key with header with public with encrypt\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 14:24 |
| S148 | 38 | US-4238854-\$.DID. OR US-4423387-\$.DID. OR US-4799258-\$.DID. OR US-4887204-\$.DID. OR US-4912552-\$.DID. OR US-5235641-\$.DID. OR US-5434918-\$.DID. OR US-5461710-\$.DID. OR US-5467342-\$.DID. OR US-5497422-\$.DID. OR US-5619576-\$.DID. OR US-5638501-\$.DID. OR US-5640388-\$.DID. OR US-5661668-\$.DID. OR US-5682537-\$.DID. OR US-5689688-\$.DID. OR US-5719941-\$.DID. OR US-5732265-\$.DID. OR US-5745750-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 16:57 |
| S149 | 38 | US-5768381-\$.DID. OR US-5778350-\$.DID. OR US-5781711-\$.DID. OR US-5813009-\$.DID. OR US-5825876-\$.DID. OR US-5850443-\$.DID. OR US-5970502-\$.DID. OR US-5978802-\$.DID. OR US-6031584-\$.DID. OR US-6035404-\$.DID. OR US-6070244-\$.DID. OR US-6088717-\$.DID. OR US-6148338-\$.DID. OR US-6199070-\$.DID. OR US-6249755-\$.DID. OR US-6266420-\$.DID. OR US-6289458-\$.DID. OR US-6292895-\$.DID. OR US-6299069-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 16:58 |

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| S150 | 40 | US-6314408-\$.DID. OR US-6385644-\$.DID. OR US-6405315-\$.DID. OR US-6405318-\$.DID. OR US-6408404-\$.DID. OR US-6453419-\$.DID. OR US-6466476-\$.DID. OR US-6487662-\$.DID. OR US-6574733-\$.DID. OR US-6601170-\$.DID. OR US-6625734-\$.DID. OR US-6683954-\$.DID. OR US-6693652-\$.DID. OR US-6698022-\$.DID. OR US-6751573-\$.DID. OR US-6754657-\$.DID. OR US-6754665-\$.DID. OR US-6779031-\$.DID. OR US-6816969-\$.DID. OR US-6842825-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 16:59 |
| S151 | 41 | US-7047404-\$.DID. OR US-7103911-\$.DID. OR US-7107185-\$.DID. OR US-7113594-\$.DID. OR US-7116785-\$.DID. OR US-7126957-\$.DID. OR US-7139399-\$.DID. OR US-7140044-\$.DID. OR US-7168094-\$.DID. OR US-7177839-\$.DID. OR US-7197638-\$.DID. OR US-7249251-\$.DID. OR US-7281272-\$.DID. OR US-7287058-\$.DID. OR US-7359517-\$.DID. OR US-7362868-\$.DID. OR US-7386599-\$.DID. OR US-7401220-\$.DID. OR US-7406596-\$.DID. OR US-7415608-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:00 |
| S152 | 40 | US-6862103-\$.DID. OR US-6870920-\$.DID. OR US-6877010-\$.DID. OR US-6882994-\$.DID. OR US-6898627-\$.DID. OR US-6892306-\$.DID. OR US-6915425-\$.DID. OR US-6915435-\$.DID. OR US-6922785-\$.DID. OR US-6924425-\$.DID. OR US-6938156-\$.DID. OR US-6961855-\$.DID. OR US-6968456-\$.DID. OR US-6976259-\$.DID. OR US-6978366-\$.DID. OR US-6987752-\$.DID. OR US-7000150-\$.DID. OR US-7010689-\$.DID. OR US-7010809-\$.DID. OR US-7043637-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:01 |
| S153 | 39 | US-7434048-\$.DID. OR US-7454612-\$.DID. OR US-7461157-\$.DID. OR US-7461405-\$.DID. OR US-7478243-\$.DID. OR US-7478418-\$.DID. OR US-7496959-\$.DID. OR US-7509492-\$.DID. OR US-7512810-\$.DID. OR US-7539867-\$.DID. OR US-7555558-\$.DID. OR US-7562232-\$.DID. OR US-7565683-\$.DID. OR US-7631184-\$.DID. OR US-7681034-\$.DID. OR US-7698230-\$.DID. OR US-7702909-\$.DID. OR US-7703140-\$.DID. OR US-7707427-\$.DID. OR US-7729995-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:01 |
| S154 | 38 | US-7730543-\$.DID. OR US-7748045-\$.DID. OR US-20010000265-\$.DID. OR US-20010018743-\$.DID. OR US-20010021255-\$.DID. OR US-20010023421-\$.DID. OR US-20010033611-\$.DID. OR US-20010042110-\$.DID. OR US-20010056541-\$.DID. OR US-20010150239-\$.DID. OR US-20020003886-\$.DID. OR US-20020007335-\$.DID. OR US-20020013772-\$.DID. OR US-20020016921-\$.DID. OR US-20020023208-\$.DID. OR US-20020026321-\$.DID. OR US-20020027886-\$.DID. OR US-20020029340-\$.DID. OR US-20020036984-\$.DID. OR US-20020041391-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:02 |

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|------|----|--|---|----|----|---------------------|
| S155 | 40 | US-20020042756-\$.DID. OR US-20020052981-\$.DID. OR US-20020062451-\$.DID. OR US-20020078239-\$.DID. OR US-20020078361-\$.DID. OR US-20020089602-\$.DID. OR US-20020091532-\$.DID. OR US-20020091745-\$.DID. OR US-20020091928-\$.DID. OR US-20020093527-\$.DID. OR US-20020112035-\$.DID. OR US-20020120851-\$.DID. OR US-20020129158-\$.DID. OR US-20020133500-\$.DID. OR US-20020138571-\$.DID. OR US-20020138726-\$.DID. OR US-20020152302-\$.DID. OR US-20020162104-\$.DID. OR US-20020165870-\$.DID. OR US-20020166053-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:03 |
| S156 | 40 | US-20020174030-\$.DID. OR US-20020174415-\$.DID. OR US-20020176572-\$.DID. OR US-20020184217-\$.DID. OR US-20020184488-\$.DID. OR US-20030005168-\$.DID. OR US-20030026431-\$.DID. OR US-20030028610-\$.DID. OR US-20030037029-\$.DID. OR US-20030046176-\$.DID. OR US-20030046270-\$.DID. OR US-20030050919-\$.DID. OR US-20030061506-\$.DID. OR US-20030081785-\$.DID. OR US-20030081790-\$.DID. OR US-20030093457-\$.DID. OR US-20030095552-\$.DID. OR US-20030099248-\$.DID. OR US-20030110280-\$.DID. OR US-20030115218-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:03 |
| S157 | 38 | US-20030132949-\$.DID. OR US-20030154396-\$.DID. OR US-20030154401-\$.DID. OR US-20030159048-\$.DID. OR US-20030163704-\$.DID. OR US-20030182310-\$.DID. OR US-20030182584-\$.DID. OR US-20030204692-\$.DID. OR US-20030208485-\$.DID. OR US-20030217281-\$.DID. OR US-20030220999-\$.DID. OR US-20030222141-\$.DID. OR US-20040041845-\$.DID. OR US-20040049702-\$.DID. OR US-20040064507-\$.DID. OR US-20040117371-\$.DID. OR US-20040131191-\$.DID. OR US-20040186845-\$.DID. OR US-20040205576-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:04 |
| S158 | 40 | US-20040215956-\$.DID. OR US-20040215962-\$.DID. OR US-20040243853-\$.DID. OR US-20040254884-\$.DID. OR US-20050050098-\$.DID. OR US-20050091289-\$.DID. OR US-20050097061-\$.DID. OR US-20050138383-\$.DID. OR US-20050168766-\$.DID. OR US-20050268033-\$.DID. OR US-20060075258-\$.DID. OR US-20060101285-\$.DID. OR US-20060149407-\$.DID. OR US-20060184637-\$.DID. OR US-20060277316-\$.DID. OR US-20070083575-\$.DID. OR US-20070192478-\$.DID. OR US-20070193397-\$.DID. OR US-20070294368-\$.DID. OR US-20080075126-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:04 |

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|------|-----|--|---|----|----|---------------------|
| S159 | 30 | US-20090254843-\$.DID. OR US-5267313-\$.DID. OR US-6366298-\$.DID. OR US-6587878-\$.DID. OR US-6591295-\$.DID. OR US-6629140-\$.DID. OR US-6990441-\$.DID. OR US-7003116-\$.DID. OR US-7343488-\$.DID. OR US-7484245-\$.DID. OR US-20020112048-\$.DID. OR US-20030061482-\$.DID. OR US-20030191938-\$.DID. OR US-20030154296-\$.DID. OR US-20030217282-\$.DID. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:05 |
| S160 | 457 | S148 S149 S150 S151 S152 S153 S154 S155 S156 S157 S158 S159 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:05 |
| S161 | 52 | S160 and header with encrypt\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/26 17:06 |

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1/ 27/ 2011 3:49:44 PM**C:\ Documents and Settings\ypaliwal\ My Documents\ EAST\ Workspaces\ 10-676850.wsp**